

S/081/63/000/002/076/088
B149/B144

AUTHOR: Cómoryová, A.

TITLE: Determination of total sulfur content in mineral oils

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1963, 468-469,
abstract 2P175. (Ropa a uhlí v.4, no.6, 1962, 177-178
[Slov., summaries in Russ., Eng., and Fr.])

TEXT: A method for the determination of small amounts (up to 0.2%) of
total sulfur in mineral oils has been developed. It is based on the
combustion of a sample by Schoeniger's method and titration of sulfates
with BaCl_2 , using Thorin as indicator. The combustion apparatus has
been improved. [Abstracter's note: Complete translation.]

Card 1/1

COM'A, Stepan

Work discipline and technological discipline. Zel dop tech 12 no.
10: 272-273 '64.

1. Stationmaster, Ostrava Railroad Station.

COMPA, Stefan, inz.

Technical operation of railroad stations. Zel dop tech 12
no.11:298-299 '64.

1. Stationmaster of the Ostrava main railroad station.

COMPALA, B.

"Colling and moistening tobacco fermented in chambers," Przemysl Rolny I
Spozywczy, Warszawa, Vol 8, No 5, May 1954, p. 155.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

DIOSI, P.; SIMIONESCU, V.; HENTZIU, V.; LAZAR, L.; SOIU, J.; COMPANETZ, V.;
RUSU, G.

A water-borne epidemic of *Shigella boydi* dysentery in the Barsa Region
(Burzenland). J. hyg. epidem., Praha 5 no.1:93-96 '61.

(DYSENTERY BACILLARY epidemiol)

Compel, J.

AGRICULTURE

COMPEL, J.; DOMANSKY, L.; PANES, D.

Analysis and economic evaluation of building of building and construction
investments from the point of view of vertical and horizontal arrangement of
storage rooms. p. 943.

Vol. 31, no. 12, Dec. 1958

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 4, April 1959

CONTEA, I.; COMSA, D.

preliminary data on the microfauna of the lower Cretaceous and the limit of the Upper Jurassic in the Ciuresti region, Moesian Platform. Petrol si gaze 15 no.3:105-110 Mr '64.

~~COMSA, Eugen~~ ✓
~~SURNAME (in caps); Given Name~~

Country: Rumania

Academic Degrees: not given

Affiliation: not given

Source: Bucharest, Stiinta si Tehnica, No 3, Mar 1961, pp 14-15.

Data: "The Early History of the Country in the Light of the Latest
Archeological Discoveries."

ASIAN, A.; CIMPEANU, L.; VRABIESCU, Al.; STANESCU, S.; COMSA, E.; NAUM, M.;
COSTINIU, M.; COSMOVICI, N.; DOMILESCU, C.; BOJINESCU, I.

Experimental arteriosclerosis in female white rats, in relation
to age. Fiziol. norm. pat. 11 no.1:77-84 Ja-F '65.

1. Lucrare efectuata in Institutul de geriatrie, Bucuresti
(director: prof. A. Aslan).

COMSA, Gh., dr.; ATHANASIU, A., dr.

Osler's splenic pancytopenia. Excellent results of splenectomy.
Med. intern., Bucur 12 no.7:1111-1115 J1 '60.
(POLYCYTHEMIA VERA, case reports)

COMSA, Ch., dr.; VADASZ, I., dr.; SCHMITZER, Gabriela, dr.; LITMAN, C., dr.

Bronchial asthma with migratory atelectasis. Med. intern.(Bucur.)
16 no.12:1481-1488 D '64

1. Lucrare efectuata in Sectia de boli interne a Spitalului
"Alexandru Sahia", Bucuresti.

COMSA, G.; MUSA, G.

"A new type of ionization pump."

p. 119 (Studii Si Cercetari De Fizica) Vol. 8, no. 2, 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

220
MT

COMSA, G.

RUMANIA/Electronics - Electron and Ion Emission.

H

Abs Jour : Ref Zhur Fizika, No 1, 1960, 1455

Author : Comsa, G., Gelberg, A., Ipsifescu, B., Musa, G.

Inst : -

Title : Determination of the Temperature Dependence of the
Work Function of Metals.

RUMANIA/Electronics. - Electron and Ions Emission.

H

Abs Jour : Ref Zhur Fizika, No 9, 1959, 20651

Author : Comsa, G., Gelberg, A., Georgescu, A., Grabari, V.

Inst : --

Title : Current Stabilization Circuit in Experiments on the Determination of the Temperature Dependence of the Work Function.

Orig Pub : Studii si cercetari fiz. Acad. RPR, 1958, 9, No 4, 445-450

Abstract : The authors describe an electronic circuit, intended for stabilization of the anode current of an experimental instrument, serving to determine the temperature dependence of the work function. The stabilization is carried out by compensating the changes in the work function by suitable changes in voltage applied between the cathode and the anode of the instrument. The method proposed makes it possible to realize simultaneous recording of

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RUMANIA/Electronics - Electron and Ions Emission.

H

Abs Jour : Ref Zhur Fizika, No 9, 1959, 20651

the change in the cathode temperature and of its work function. The accuracy of anode-current stabilization is not less than 0.3%.

Card 2/2

RUMANIA/Radio Physics - Electronic and Ionic Emission.

I-

Abs Jour : Ref Zhur Fizika, No 3, 1960, 6485

Author : Comsa George

Inst : -

Title : On the Value of the Temperature Coefficient of the Work Function, Determined on Polycrystalline Surface of Nickel.

Orig Pub : Studii si cercetari fiz., 1959, 10, No 1, 145-162

Abstract : An analysis is made of the significance of the results obtained by employing the method of the shift of the characteristics to determine the temperature coefficient of the work function of a polycrystalline surface of nickel. Two problems were investigated: 1. Effect of the "spot field" on the electron currents from different phases of the crystallites of polycrystalline surfaces. 2. The effect of the temperature coefficient of the work function of different phases of the crystallites on the measured temperature coefficient. Bibliography, 12 titles.

Card 1/1

- 91 -

COMSA, George

On the potential of the glass wall in the ionization pump. Studi
cer.fiz. 10 no.4:845-850 '59. (KEAI 9:5)
(Glass) (Ionization) (Vacuum)

COMSA, George ; SIMIONESCU, Constantin

Studies on a demountable ionic pump with cathodic sputtering. Studii
cerc fiz 11 no.2:341-350 '60. (EEAI 10:1)

(Cathodes) (Vacuum pumps) (Titanium)

COMSA, George; SIMONESCU, Constantin

Welded aluminum junctions. Studii cerc fuz 11 no.2:439-442 '60.
(Flanges) (Aluminum) (KEAI 10:1)
(Welding)

COMSA, George

Variation, depending on the time, of gas pressure in closed spaces
under the action of ion pumps. Studii cerc fiz 11 no.3:645-668 '60.
(EEAI 10:2)

1. Institutul de fizica atomica Bucuresti.
(Vacuum pumps) (Gases)

NACHMAN, Manfred; COMSA, Gerda

On the applicability of the Thomson-Fuchs formula to the thin layers of mercury. Studii cerc fiz 11 no.3:784-788 '60. (EEAI 10:2)

1. Institutul de constructii Bucuresti.
(Mercury) (Electric conductivity) (Quantum mechanics)

COMSA, G.; GELBERG, A.; IOSIFESCU, B.

Ferromagnetic anomaly of the nickel extraction work. Studii cerc
fiz 11 no.4:859-865 '60. (EEAI 10:8)

1. Institutul de fizica atomica, Bucuresti.
(Nickel) (Magnetism) (Heat) (Electron emission)
(Curie point)

COMSA, George; LUNGU, Stelian; SIMIONESCU, Constantin

A tight and degasifying clamp. Studii cerc fiz 11 no.4:1057-1059
'60. (EEAI 10:8)

1. Institutul de fizica atomica, Bucuresti.
(Clamps) (Insulation(Heat)) (Gases) (Vacuum)

24.7700 (1035, 1043, 1143, 1469)

26.1632

22043

S/181/61/003/004/009/030
B102/B214

AUTHORS: Gelberg, A., Josifescu, B., and Comşa, G.

TITLE: The ferromagnetic anomaly of the work function of nickel

PERIODICAL: Fizika tverdogo tela, v. 3, no. 4, 1961, 1074-1078

TEXT: An experimental investigation of the temperature dependence of the work function is one of the possibilities of verifying the solid-state theory. This is of particularly great interest when the temperature dependence of the work function possesses an anomaly. S. V. Vonsovskiy developed a theory of the photoelectronic and thermionic emission of ferromagnetic substances and came to the conclusion that the work function depends on the existence of a spontaneous magnetization. This dependence must lead to a change of the temperature coefficient of the work function in passing through the Curie point. This is investigated in the present paper. According to the Vonsovskiy theory based on the exchange interaction of d- and s-electrons, the work function is given by

$\phi = V - \mu(1 + \delta_1 y^2)$, where V is the height of the potential barrier on the

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S/181/61/003/004/009/030
B102/B214

The ferromagnetic anomaly ...

metal surface without spontaneous magnetization, μ the chemical potential, y the relative magnetization, and δ_1 a coefficient depending on the exchange integrals. Near the Curie point $y \sim \sqrt{\theta - T}$. The temperature coefficient of the work function is given by

$$\frac{d\phi}{dT} = \frac{d}{dT} (V - \mu) - \delta_1 \mu \frac{d}{dT} (y^2) - \delta_1 y^2 \frac{d\mu}{dT} \quad \text{or, approximately, by}$$

$\frac{d\phi}{dT} = \frac{d\phi_0}{dT} - \delta_1 \mu \frac{d}{dT} (y^2)$; $d\phi/dT$ is the temperature coefficient of the work function in the absence of spontaneous magnetization. From this one obtains

$$\frac{d\phi}{dT} = \begin{cases} \frac{d\phi_0}{dT} & \text{for } T > \theta, \\ \frac{d\phi_0}{dT} + \delta_1 \mu a & \text{for } T < \theta \end{cases} \quad (5), \text{ where } a = d(y^2)/dT \text{ is a constant}$$

quantity in the neighborhood of θ . $d\phi/dT$ suffers a jump when passing through the Curie point. Now, the temperature dependence of the work function is investigated in a wide temperature range containing the Curie point, and the results of the Vonsovskiy theory are compared with experimental results. The authors applied the method of displacement of

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The ferromagnetic anomaly ...

the characteristics into the region of the primary currents. The anode (target) of the tube consisted of polycrystalline nickel and was bombarded with the beam of an electron gun. The following relation holds in the region of the primary currents: $\ln I_a = \text{const} + (eU_A - \phi_A)/kT_K$, where I_a is the electron current striking the anode, T_K the cathode temperature, U_A the potential difference between the cathode and the target, and ϕ_A the work function of the target. For $T_K = \text{const}$ a change of ϕ_A leads to a displacement of the characteristic along the potential axis by $e\Delta U_A$. Therefore, $\Delta\phi_A = e\Delta U_A$. If the temperature is the changing parameter, the temperature dependence of the electrochemical potential $\bar{\mu}$ must be taken into consideration. One obtains: $\Delta\phi_A = e\Delta U_A - \Delta\bar{\mu}_A$, where $\Delta\bar{\mu}_A$ is the correction for the change of $\bar{\mu}$. The temperature coefficient of the work function is thus given by $\frac{d\phi_A}{dT_A} = e \frac{dU_A}{dT_A} - \frac{d\bar{\mu}_A}{dT_A}$. The figure shows the results of experiments with (b) and without (a) compensation of the

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geomagnetic field. The jump of the temperature coefficient in passing through the Curie point is thus given by

$$\left\langle \left(\frac{d\psi_I}{dT_A} \right)_{T < \theta} - \left(\frac{d\psi_I}{dT_A} \right)_{T > \theta} \right\rangle = (-0.99 \pm 0.17) \cdot 10^{-5} \text{ mB/}^\circ\text{K},$$

The jump amounts to about 20% of the value of the coefficient for $T > \theta$. Thirty-six measurements were carried out with two samples of 99.98% pure nickel during a few months. The results agree well with theory and show that $\delta_1 < 0$. The authors thank Professor Khoriya Khulubey for interest. There are 1 figure and 14 references: 11 Soviet-bloc and 3 non-Soviet-bloc.

ASSOCIATION: Institut atomnoy fiziki Akademii nauk Rumynskoy Narodnoy Respubliki Bukharest (Institute of Atomic Physics of the Academy of Sciences of the People's Republic of Rumania, Bucharest)

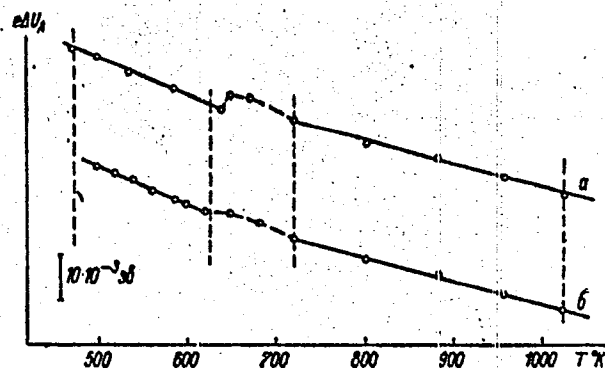
SUBMITTED: June 28, 1960 (initially), August 30, 1960 (after revision)

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22043

S/181/61/003/004/009/030
B102/B214

The ferromagnetic anomaly ...



Card 5/5

COMSA, George; IOSIFESCU, Beatrice

A simple device for measuring the evacuation speed of the pumps
with preliminary vacuum. Studii cerc fiz 12 no.1:171-173 '61.
(KEAI 10:9)

1. Institutul de fizica atomica, Bucuresti.

(Vacuum pumps) (Gas flow) (Manometer)

S/081/62/000/013/011/054
B158/B144

AUTHORS: Bajeu, George, ~~Camsa, George~~, Gelberg, Adrian

TITLE: Omegatron-type mass spectrometer

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 13, 1962, 168, abstract
13Ye12 (Studii si cercetari fiz. Acad.RPR, v. 12, no. 2,
1961, 427-434)

TEXT: Descriptions are given of the omegatron and its application for
analysis of residual gases in a vacuum device at a pressure of
 $1.8 \cdot 10^{-7}$ mm Hg. [Abstracter's note: Complete translation.]

Card 1/1

40994

S/058/62/000/009/001/069

A006/A101

26.2358
AUTHORS:

Comşa, George, Iosifescu, Beatrice

TITLE:

Investigation of an ionization pump with titanium evaporation

PERIODICAL:

Referativnyy zhurnal, Fizika, no. 9, 1962, 9, abstract 9A101 ("Studi
şi cercetări fiz. Acad. RPR", 1961, v. 12, no. 2, 435 - 440, Rouma-
nian; summaries in Russian and French)

TEXT:

The experimental ionization glass pump designed by the Institut
atomnoy fiziki (Institute of Atomic Physics) (Bucharest) evacuates air down to
 $7 \cdot 10^{-9}$ mm Hg. After preliminary evacuation, the valve connecting the evacuated
container with the forevacuum, is shut off, and 2.5 kv voltage is supplied be-
tween the tungsten filament and the titanium wire grid in the ionization pump.
The titanium is brought to incandescence by bombardment with electrons emitted
by the tungsten; it evaporates and is precipitated onto the pump walls, forming
a 0.1 - 0.2 μ layer of about 150 cm² surface within 30 minutes. The pressure in
the pump is meanwhile maintained as high as 10^{-5} mm Hg. Then the voltage sup-
plied to the grid is reduced to 350 - 450 v. The titanium layer on the walls

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Investigation of an ionization pump with...

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A006/A101

has practically a cathode potential, and inside the pump conditions are created which promote ionization or excitation of gas molecules. The titanium absorbs ionized or excited molecules, in particular those of nitrogen and water. Under these conditions the evacuation rate attains 5 liters/sec. Evacuation is completed within 2 hours of the ionization pump operation, at 4 hours preliminary evacuation. With the aid of a diffusion pump the same results are obtained after 80 - 100 hours operation. General information is given on the operation of ionization pumps; a description is given of a unit for testing the aforementioned pump; some results of tests are presented showing conform evacuation rate values obtained by both methods, and absorbability of titanium was determined (10^{-2} mm Hg·liter/mg).

A. B.

[Abstracter's note: Complete translation]

Card 2/2

Z/037/62/000/005-6/031/049
E140/E520

AUTHORS: Comsa, G. and Iosifescu, B.

TITLE: Adsorption and desorption phenomena in high vacuum

PERIODICAL: Československý časopis pro fysiku, no.5-6, 1962,
634-640

TEXT: Some of the factors affecting the performance of ion pumps are explained. On the basis of experimental results obtained by themselves and other authors it is shown that while the pressure is decreasing, particularly during long pumping times, and also during recovery, a decisive role is played by desorption from the walls of molecules which were absorbed independently of pumping. It is shown that when there are changes of pressure in well out-gassed systems, a special role is played by the molecules adsorbed with an adsorption heat of 20 kcal/mole. There are 5 figures. ✓

ASSOCIATION: Ústav atomové fyziky Akademie RLR, Dukurešť!
(Institute of Atomic Physics, Rumanian AS, Bucharest)

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L5275

Z/037/62/000/005-6/033/049
E073/E139

26.2357

AUTHORS: Comsa, G., and Simionescu, C.

TITLE: Ion pump with a titanium getter effect

PERIODICAL: Československý časopis pro fyziku, no.5-6, 1962,
644-645

TEXT: Known methods of welding vacuum tight metal-to-metal and metal-to-insulator joints which can be degassed are not suitable for use in the construction of ion pumps under current laboratory conditions. A new method of producing such joints is described. The method consists of fitting an aluminium seal between accurately machined surfaces on the parts to be joined, then pressing between two flanges and heating to 530 °C under vacuum. After cooling down, the flanges can be removed. Water-glass should be applied to the contact surface of the ceramic, which is then fired. The method is suitable for joining steel-copper, kovar-dural and even titanium-titanium, titanium-stainless steel. The joint can be dismantled in the cold state without damaging the joined parts. Using aluminium wire as seal material, pressures of up to 80 kg/mm² were used for achieving compression.
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Ion pump with a titanium getter ...

Z/037/62/000/005-6/033/049
E073/E139

There is 1 figure.

ASSOCIATION: Ústav atomové fyziky, Akademie RLR, Bukurešť
(Institute of Atomic Physics, Academy RPR,
Bucharest)

Card 2/2

24.6730

3/058/62/000/011/004/061
A062/A101

AUTHORS: Băjeu, G., Comşa, G.

TITLE: H_3^+ and H_2D^+ ions in an omegatron

PERIODICAL: Referativnyy zhurnal, Fizika, no. 11, 1962, 4,
abstract 11B34 ("Studii şi cercetări fiz. Acad. RPR",
1962, v. 13, no. 1, 13 - 28, Romanian; summaries in
Russian, French)

TEXT: The appearance in an omegatron of a usually large flow of H_3^+ ions at 10^{-4} - 10^{-7} mm Hg pressures is considered. The value of this flow is calculated and experimentally verified. The calculation is made on the basis of the study of the behaviour of non-resonance ions in the omegatron source. The possibility is shown of determining small concentrations of deuterium by measuring the flow of H_2D^+ ions which can be formed in collision processes. 1/3

[Abstracter's note: Complete translation]

Card 1/1

COMSA, George; IOSIFESCU, Beatrice

Adsorption and desorption phenomena in high and ultrahigh vacuums.
Studii cerc fiz 13 no.5:757-764 '62.

1. Institutul de fizica atomica, Bucuresti.

2/042/63/000/004/001/003
E192/E382

AUTHORS: Comsa, G., Gelberg, A. and Iosifescu, B.

TITLE: Temperature-dependence of the work function of ferromagnetic metals

PERIODICAL: Elektrotechnický časopis, no.4, 1963, 177-183

TEXT: The temperature coefficients of the work function of pure metals are comparatively small and it is therefore necessary to employ measurement methods which are capable of registering changes of the work function very accurately. The so-called characteristic-shift method was adopted for this purpose. The experimental electron tube (Fig.1) used in the measurements comprised an electron gun with good focusing and a target in the form of a box, made from the material under investigation. The box was provided with a double heating spiral and its temperature could be measured by means of a thermocouple. With the above method of measurement the electron beam was directed onto the target, which formed the anode of the system. If the work function of the anode changed, the current-voltage characteristic of the system was shifted by an amount equal to the change

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Temperature-dependence of the ...

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E192/E382

in the work function. The measurements were carried out at 10^{-9} mm Hg, the pressure being measured by the Alpert ionization gauge. In the case of nickel of 99.98% purity, the measurements were conducted at temperatures between 475 and 1025°K and the distortion due to the Earth's magnetic field was compensated by means of Helmholtz coils. It was found that the thermal coefficient for the work function was:

$$\left\langle \left(\frac{d\psi_{Ni}}{dT} \right)_{T>6} \right\rangle = (-3.12 \pm 0.05) 10^{-5} \text{ eV/}^{\circ}\text{K}$$

In the case of Ni_3Fe of 99.7% purity, the temperature coefficient of the work function for a temperature range from 500-700°C was

$\Delta\psi_{Ni_3Fe}/\Delta T \approx 3.8 \times 10^{-4} \text{ eV/}^{\circ}\text{K}$ and for the interval 450-550°C

it was $\Delta\psi_{Ni_3Fe}/\Delta T \approx -5.7 \times 10^{-4} \text{ eV/}^{\circ}\text{K}$. The errors in

the above method of measurement did not exceed 1%. There are 6 figures.

Card 2/3

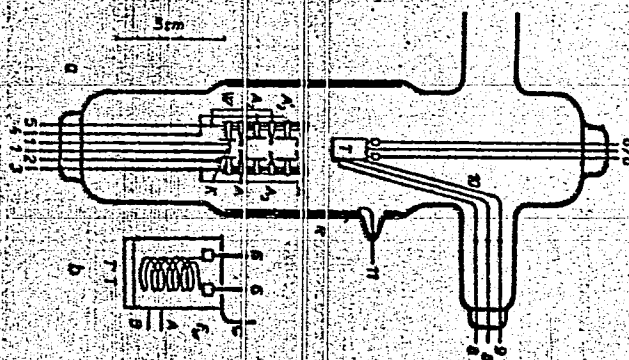
Temperature-dependence of ...

Z/042/63/000/004/001/003
E193/E382

ASSOCIATION: Ústav atómovej fyziky Akadémie vied Rumunskej
Ludovej republiky, Bukarest (Institute of Atomic
Physics of the Academy of Sciences of the
Rumanian People's Republic, Bucharest)

SUBMITTED: August 29, 1962

Fig.1



Card 3/3

COMSA, George

Variation of nickel emission with temperature. Studi
cerc fiz 15 no. 3:263-334 '64.

1. Institute of Atomic Physics, Bucharest.

HUNGARY/Farm Animals. Horses.

Q

Abs Jour: Ref Zhur-Biol., No 20, 1958, 92570.

Author : Romanovschi, S., Comsa, I.

Inst :

Title : Raising Colts.

Orig Pub: Mezőgazdasági és Erdészeti Allami Könyvkiadó, 1956,
112 p.

Abstract: No abstract.

Card : 1/1

49

CONFIDENTIAL
~~SURNAME (in caps); Given Names~~

Country: Rumania

Academic Degrees: Engineer

Affiliation: Ministry of Agriculture (Ministerul Agriculturii).

Source: Bucharest, Probleme Zootehnice si Veterinare, No 7, Jul 61,
pp 75-76.

Data: "The International Congress on Animal Breeding of The Hague
Held on 5-9 June of this Year."

Co-author:

✓ MIHAILESCU, C., Dr., Ministry of Agriculture.

ROMANIA

COMSA, I., Eng. of the Animal Breeding Section of the Higher Council of Agriculture (Sectia Crestarii Animalelor din Consiliul Superior al Agriculturii).

"Current Problems Concerning Artificial Inseminations."

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 13, No 1, Jan 1963, pp 23-28.

Abstract: Discusses the problems confronting the Central Station for Artificial Insemination with regard to the extension of artificial insemination to cover the largest possible number of farms. Reviews the extent of such insemination for cows and sheep in the collective farms of the various regions, emphasizing the importance of cooperation between engineers and veterinarians, the zootechnical value of high-quality donors, the testing of the sperms and follow-up.

2/1

PINTEA, V.; COMSA, I.; SABAU, L.; CRISTA, N.

Cutireaction to adrenaline-dionine and its correlation
with production in taurine. Comunicari zoolog 2,91-99
'63.

RUMANIA

576.8.097.35-085.371 9

TOPCIU, Vl., PLAVOSIN-BABUSCEAC, Livia, CSAKY, N., RADU, M.,
VOICULESCU, D., TRANDAFIRESCU, Virginia, NICOLAU, I., STEFAN,
Margareta, COMSULEA, Lia, and KECSKES, Elisabeta, of the Insti-
tute of Hygiene and Public Health (Institutul de Igiene si Sana-
tate Publica), Timisoara.

"The Evolution of Antivariolic Postvaccinal Immunity in Different
Age Groups Expressed by the Titer of Agglutination Inhibition
Antibodies."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 17,
No 4, 66, pp 317-321.

Abstract: In a study of 1,074 sera from persons of various ages,
84.3 percent contained various amounts of antivaccine hemagglu-
tinating antibodies. The curve of average titer versus age shows
4 peaks corresponding to maternal antibodies, first vaccination,
revaccination at 7 years, and revaccination in the armed services.
Small titers of the antibodies persist throughout life, with higher
levels for approximately 3 years following vaccination.

Includes 2 figures and 9 references, of which 2 Russian,
3 German and 4 Western.

1/1

CONCIU, D., ing.

Rolled steel from...dust. St si Teh Buc 15 no.9:12-13 S '63

L 38600-66 T JK

ACC NR: AP6028250

SOURCE CODE: HU/0028/65/012/002/0115/0121

AUTHOR: Vaczi, Lajos (Director; Debrecen); Conczol, Eva (Debrecen); Lehel, Frigyes (Debrecen); Geder, Laszlo (Debrecen)

ORG: Institute of Microbiology/headed by Lajos Vaczi/, Medical University of Debrecen (Debreceni Orvostudományi Egyetem, Mikrobiológiai Intézet)

TITLE: Isolation of cytomegalovirus and the incidence of complement fixing antibodies against cytomegalovirus in different age groups

SOURCE: Academia scientiarum hungaricae. Acta microbiologia, v. 12, no. 2, 1965, 115-121

TOPIC TAGS: serum, antibody, virus, virology, virus disease, man

ABSTRACT: A group of 16 premature infants, free of symptoms but with clinically proven cytomegalic inclusion disease or interstitial pneumonia, have been examined. Cytopathogenic agents were cultured in human embryonic fibroblast cell cultures from the urine sample of 4 infants. Based on their growth characteristics, cytopathogenicity and neutralization tests, the isolated agents appeared to be cytomegaloviruses (CMV). The properties of the strains are described. In spite of inconclusive serological results, the typical clinical picture and the successful isolation suggested the possible role of the isolated agents. The incidence of complement-fixing antibodies against CMV was found to increase with age, as indicated by tests on the serum samples of 442 persons of different ages. Titers of 1:4 or higher were present in 18, 28, 35 and 51 per cent in age groups of under 2, 4-14, 14-30 and over 30 years, respectively. The data obtained with 60 mentally defective children were similar to the above data. Orig. art. has: 1 figure and 3 tables. [Orig. art. in Eng.] [JPRS: 33,500]

SUB CODE: 06 / SUBM DATE: 02Nov64 / ORIG REF: 002 / OTH REF: 012

Card 1/1

0917

1835

CONDACSE, A., dr.; RADULESCU, En., dr.

Biosynthesis and physiology of prophyryns. Med. intern. (Bucur)
17 no.6:669-674 Je'65.

1. Lucrare efectuata in Serviciul medical, Spitalul Ministerului
Finantelor, Bucuresti.

CONDACSE, N., ing.

Electric locomotives for the 50 c.p.a., 25 kv. monophasic
current, with ignitrons. Rev cailor nr 10 no.8:412-418
Ag. '62.

1. Institutul de Cercetari pentru Transporturi si Telecomunicatii.

CONDACSE, N.

TECHNOLOGY

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p. 341

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1. Institutul de proiectari pentru transporturi si telecomunicatii.

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eff. of excision of optic analyzer, in dogs, phenomenon of compensation)

(NERVES OPTIC, physiology

eff. of excision of optic analyzer, in dogs, phenomenon of compensation)

CONDRAȚ, V.

Crust founding in the Steagul Rosu plant. p. 39.

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ZAMFIRESCU, I., dr.; RAULESCU, M. dr.; PAUN, I. dr.; VLAD, R.,
dr.; DOMINICA, Al, dr.; BUTOIANU, C. dr.; CONDRATOV, Lidia, dr.

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CONDREA, D.
SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees: Engineer

Affiliation: -not given-

Source: Bucharest, Stinta si Tehnica, No 6, Jun 1961, pp 22-23.

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Uncl.

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February 1958

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24 N '62.

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abdom. in acute abdom)

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2. Fabrica de scule, Risnov (for ilie, Zerelles, Schmidt).

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Antigen titers of *Pasteurella tularensis*. Rev. igiena microb. epidem., Bucur. Vol.3:68-71 July-Sept 55.

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variations in antigenic properties of various strains.

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June 59

CHIMIE - BIOLOGIE

1883. PREPARATION AND TESTING OF TETANUS-TOXOID - Contribution a l'étude de la préparation et du contrôle de l'anatoxine tétanique - Condrea P., Cahan D., Lazăr M. and Lasco N. - ARCH. ROUM. PATH. EXP. MICROBIOL. 1957, 16/2 (211-218)

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CONDREA, S., prof.inz.

Measuring soil conductivity. Telecommunicatii 6 no.1:13-16 Ja-F '62.

1. Membru al Comitetului de redactie, "Telecommunicatii."

CONDREA, Sergiu, prof.

Linearization of the modulator with semiconductor. Telecommunicatii
5 no.5:193-198 S-0 '61.

CONDREA, S., prof.ing.

Methods of increasing the telephonic transmission capacity.
Telecommunicatii 6 no.4:145-150 JI-Ag '62.

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51-62 5 N '62.

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Amplitude limiting of telephonic signals. Telecommunicatii
7 no. 4: 141-147 J1-Ag '63.

CONDREA, Sergiu, prof. ing.

Conversion of modulating circuits with diodes. Telecommunicatii
8 no.3:97-104 My-Je '64.

CONDREA, Sergiu, prof. ing.; BANICA, Ion, ing.

A time-synthesis method for pulse forming circuits. Telecommunicatii
9 no.2:33-39 F '65.

L 2974-66

ACC NO: AP6020876

SOURCE CODE: RU/0005/65/000/002/0033/0039

AUTHOR: Condrea, Sergiu (Professor; Engineer); Banica, Ion (Engineer)

ORG: none

TITLE: Time-synthesis method for pulse forming circuits 25

SOURCE: Telecomunicatii, no. 2, 1965, 33-39

TOPIC TAGS: electronic circuit, Fourier series

ABSTRACT:

The authors describe a new time-synthesis method for an R-L-C reciprocal fourpole circuit based on an analysis of the unit pulse response of an elementary dissipative circuit. This response pulse is approximated by a damped periodic function developed as a finite Fourier series. The formulae for a fourpole having a specified response are established and illustrated. Orig. art. has: 7 figures, 28 formulas and 1 table. [Based on authors' Eng. abstract] [JPRS]

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 005
SOV REF: 002

Card 1/1 CC

L 3454-66

ACC NR: AP6024783

SOURCE CODE: RU/0005/65/000/008/0289/0292

AUTHOR: Condrea, Sergiu (Professor; Engineer)

ORG: none

TITLE: New types of differential filters 15

SOURCE: Telecomunicatii, no. 8, 1965, 289-292

TOPIC TAGS: electric filter, electronic circuit

ABSTRACT: The author describes a new type of differential filter in which the impedance of one arm consists of the input impedance of a complementary filter; this allows the design of more economical circuits. A method for improving the performance of differential filters is also discussed which is of scientific interest in connection with bridge-filter theory. Orig. art. has: 6 figures and 2 formulas. [Based on author's Eng. abst. 7/JPB]

SUB CODE: 09 / SUBM DATE: none

Cord 1/1

UDC: 621.372.541

0915

2619

L 31058-66

ACC NR: AP6022607

SOURCE CODE: RU/0005/65/000/010/0385/0389

AUTHOR: Condrea, Sergiu (Professor; Engineer)

ORG: none

TITLE: Ring modulator as a frequency shifter with time-variable parameters

SOURCE: Telecommunicatii, no. 10, 1965, 385-389

TOPIC TAGS: frequency modulation, frequency shift, phase shift

ABSTRACT: The author analyzes a ring modulator with the phase shift of the modulating quadripole as time-variable parameter, where the transition from one value to another is jump-like. The modulation products for different types of transition are calculated, and a method for the theoretical cancellation of the attenuation of the frequency transducer is indicated. It is shown that some undesirable products may be reduced by double modulation and phase shift. Orig. art. has: 6 figures and 5 formulas. [JPRS]

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 003 / SOV REF: 001
OTH REF: 003

Cord 1/1

UDC: 621.376.223:621.372.632

L 37803-56

ACC NR: AP6028828

SOURCE CODE: RU/0005/66/000/003/0097/0104

AUTHOR: Condrea, Sergiu (Professor; Engineer)

ORG: none

TITLE: Phase shift methods for obtaining a single side-band

SOURCE: Telecommunicatii, no. 3, 1966, 97-104

TOPIC TAGS: phase shifter, carrier frequency, wideband transmission

ABSTRACT: After generalizing the known methods for obtaining a single sideband by means of phase shift to other carrier frequencies and phase angles, the author presents a simplified design and approximation method for a wide-band 90-degree phase shifter. The effect on the waveform of a signal with a 90-degree phase shift located in the transmitted band is also analyzed. Orig. art. has: 9 figures and 29 formulas. [Based on author's Eng. abst.] [JPRS: 36,644]

SUB CODE: 09 / SUM DATE: none / ORIG REF: 002 / SOV REF: 003
OTH REF: 001

Card 1/1 mlp

UDC: 621.376.24

0917

2.344

CONDRESCU, M.

CONDRESCU, M. A guarantee for surpassing the plan. p. 1.

Vol. 8, no. 350, Sept. 1956

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So: East European Accession, Vol. 6, No. 5, May 1957

Condurache, D.

Contributions to the heightening of the quality of oxalic acid prepared from sodium formate. p. 146.

REVISTA DE CHIMIE. (Ministerul Industriei Petrolului si Chimiei si Asociatia Stiintifica a Inginerilor si Technicienilor din Romania) Bucuresti, Romania. Vol. 10, no. 3, Mar. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

CONDURACHE, E.

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 Recovery of silver from the fixing bath of radiographic films. Valentin Miscov, M. Marinescu, and Bruterina Condurache (Sanatoriul de tuberculoză "Bisericași", Bucharest, Romania). *Farmacia* (Bucharest) 7, 107-9 (1958). The used fixing bath is evapd. to $1/10$ of its original vol. and treated with concd. HNO_3 in the amt. of 8% of the vol. of the liquid. On further boiling Ag_2S is pptd. After filtering, the ppt. is treated with warm HNO_3 , and the Ag_2S passes into soln. as AgNO_3 ; this is treated with HCl , giving AgCl , which is reduced with granulated Zn and HCl .
 Felicitas D. Gooding

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Am

CONDORACHE, Eugen, chimist

Variation of carbon dioxide adsorption through medium
basic anion exchangers (multifunctional). Energetica
Rom 11 no.2:81-84 F '63.

1. Seful sectiei chimice de la Institutul de cercetari
textile, Borzesti.

GONEA, Ana; VOLOVICI, G; MUCENIC, Iulia; NITU, I.

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Pedological complex of Calmatui Valley. Dari seama sed 46:
429-446 '58/59 [publ. '62].

CONEA, Ana; VOLOVICI, C.; MUCENIC, Iulia; NITU, I.;

Soil of the low plain of Siret. Dari seama sed 47:421-439
'59/60 [publ. '62].